

## ABSTRACT OF THE DISCLOSURE

An implanted medical device (e.g. infusion pump) and external device  
5 communicate with one another via telemetry wherein messages are transmitted  
under a robust communication protocol. The communication protocol gives  
enhanced assurance concerning the integrity of messages that impact medical  
operations of the implantable device. Messages are transmitted using a multipart  
format that includes a preamble, a frame sync, a telemetry ID, data, and a validation  
10 code. The data portion of the message includes an op-code that dictates various  
other elements that form part of the message. The data portion may also include  
additional elements such as sequence numbers, bolus numbers, and duplicate data  
elements. A telemetry ID for the transmitting device may be implicitly embedded in  
the message as part of the validation code that is sent with the message and that  
15 must be pre-known by the receiver to confirm the integrity of the received message.